IN THE CLAIMS:

1. (Currently amended) A method in a secure gateway for sharing a multiple gateway automated data storage system containing a first data storage unit with data stored within the first data storage unit, comprising the steps of:

transmitting the data from the first data storage unit within a first automated data storage system to a second data storage unit, wherein the first automated data storage system comprises a robotic mechanism for transporting data storage units;

receiving a request from a second automated data storage system for the second data storage unit, wherein the second automated data storage system comprises a second robotic mechanism for transporting data storage units; and

transporting the second data storage unit to the second automated data storage system without human handling of the second data storage unit.

2. (Currently amended) The method of claim 1, further comprising:

generating ~~a~~ an identification qualifier for the second data storage unit.

3. (Original) The method of claim 1, wherein the first automated data storage system is a source automated data storage system.

4. (Currently amended) The method of claim 3, wherein the source automated data storage system is an unclassified data storage system.

5. (Currently amended) The method of claim 1, wherein the second automated data storage system is a destination automated data storage system.

6. (Currently amended) The method of claim 5, wherein the first automated data storage system is an unclassified data storage system and wherein the destination data storage system is a classified ~~destination~~ data storage system that complies with a government security classification.

7. (Currently amended) The method of claim 1, further comprising:

responsive to the transporting step, updating a control data set managed by an automated library data storage system library server.

8. (Original) The method of claim 7, wherein the control data set is integrated into the automated data storage system library server.

9. (Original) The method of claim 7, wherein the control data set is external to the automated data storage system library server.

10. (Original) The method of claim 7, wherein updating the control data set comprises:

decataloging the second data storage unit from the first automated data storage system; and

notifying the automated library data storage system library server that the second data storage unit has been removed from the first automated data storage system.

11. (Original) The method of claim 7, wherein updating the control data set comprises:

cataloging the second data storage unit into the second automated data storage system; and

notifying the automated library data storage system library server that the second data storage unit has been received at the second automated data storage system.

12. (Currently amended) The method of claim 1, wherein transporting the second data storage unit to the second data storage system ~~further~~ comprises:

controlling movement of ~~a robot within an automated library data storage system library server~~ the robotic mechanism to transport the second data storage unit to a pass-thru port that interconnects the first automated data storage system with the second automated data storage system.

13. (Currently amended) The method of claim ~~1~~ 12, wherein ~~the multiple gateway automated data storage system comprises at least two automated data storage systems~~ transporting the second data storage unit to the second data storage system further comprises controlling movement of the second robotic mechanism to transport the second data storage unit from the pass-thru port to the second automated data storage system.

14. (Currently amended) A system in a secure gateway for sharing a multiple gateway automated data storage system containing a first data storage unit with data stored within the first data storage unit, comprising:

transmitting means for transmitting the data from the first data storage unit within a first automated data storage system to a second data storage unit, wherein the first automated data storage system comprises a robotic mechanism for transporting data storage units;

receiving means for receiving a request from a second automated data storage system for the second data storage unit, wherein the second automated data storage system comprises a second robotic mechanism for transporting data storage units; and

transporting means for transporting the second data storage unit to the second automated data storage system without human handling of the second data storage unit.

15. (Currently amended) The system of claim 14, further comprising:

generating means for generating ~~a~~ an identification qualifier for the second data storage unit.

16. (Original) The system of claim 14, wherein the first automated data storage system is a source automated data storage system.

17. (Currently amended) The system of claim 16, wherein the source automated data storage system is an unclassified data storage system.

18. (Currently amended) The system of claim 14, wherein the second automated data storage system is a destination automated data storage system.

19. (Currently amended) The system of claim 18, wherein the first automated data storage system is an unclassified data storage system and wherein the destination data storage system is a classified ~~destination~~ data storage system that complies with a government security classification.

20. (Currently amended) The system of claim 14, further comprising:

updating means, responsive to the transporting means, for updating a control data set managed by an automated library data storage system library server.

21. (Original) The system of claim 20, wherein the control data set is integrated into the automated data storage system library server.

22. (Original) The system of claim 20, wherein the control data set is external to the automated data storage system library server.

23. (Currently amended) The system of claim ~~14~~ 20, wherein the updating means for updating the control data set comprises:

decataloging means for decataloging the second data storage unit from the first automated data storage system; and

notifying means for notifying the automated library data storage system library server that the second data storage unit has been removed from the first automated data storage system.

24. (Currently amended) The system of claim ~~14~~ 20, wherein the updating means for updating the control data set comprises:

cataloging means for cataloging the second data storage unit into the second automated data storage system; and

notifying means for notifying the automated library data storage system library server that the second data storage unit has been received at the second automated data storage system.

25. (Currently amended) The system of claim 14, wherein the transporting means for transporting the second data storage unit to the second data storage system ~~further~~ comprises:

controlling means for controlling movement of ~~a robot within an automated library data storage system library server~~ the robotic mechanism to transport the second data storage unit to a pass-thru port that interconnects the first automated data storage system with the second automated data storage system .

26. (Currently amended) The system of claim ~~14~~ 25, wherein ~~the multiple gateway automated data storage system comprises at least two automated data storage systems~~ the means for transporting the second data storage unit to the second data storage system further comprises second controlling means for controlling movement of the second robotic mechanism to transport the second data storage unit from the pass-thru port to the second automated data storage system.

27. (Currently amended) A computer program product in a computer readable medium for sharing a multiple gateway automated data storage system containing a first data storage unit with data stored within the first data storage unit, comprising:

first instructions for transmitting the data from the first data storage unit within a first automated data storage system to a second data storage unit, wherein the first automated data storage system comprises a robotic mechanism for transporting data storage units;

second instructions for receiving a request from a second automated data storage system for the second data storage unit, wherein the second automated data storage system comprises a second robotic mechanism for transporting data storage units; and

third instructions for transporting the second data storage unit to the second automated data storage system.

28. (Currently amended) The computer program product of claim 27, further comprising:

fourth instructions for generating a an identification qualifier for the second data storage unit.

29. (Original) The computer program product of claim 27, further comprising:

fifth instructions for updating a control data set managed by an automated library data storage system library server.

30. (Original) A secure gateway apparatus for sharing a multiple gateway automated data storage system, the apparatus comprising:

a controller that controls transporting a data storage unit from a first data storage device to a second data storage device; and

a transportation device that transports the data storage unit from the first data storage device to the second data storage device, wherein the transportation device protects against transporting the data storage unit from the second data storage device back to the first data storage device.